## INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP2005/000895		
A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER  H01M4/02, 4/04			
	ernational Patent Classification (IPC) or to both national	l classification and IPC		
B. FIELDS SE	ARCHED nentation searched (classification system followed by classification system followed by classificatio	assification symbols)		<del> </del>
Int.Cl <sup>7</sup>	H01M4/02, 4/04			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005				
Kokai Ji	1996-2005 1994-2005			
Electronic data b	oase consulted during the international search (name of d	lata base and, where pract	icable, search te	rms used)
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant p	oassages	Relevant to claim No.
A	JP 2003-162999 A (NEC Corp.) 06 June, 2003 (06.06.03), Claims 1 to 16; examples; dra & WO 03/46246 A1 & US			1-13
A	JP 2000-208134 A (Dainippon Printing Co., Ltd.), 28 July, 2000 (28.07.00), Claims 1 to 11; examples; drawings & US 6423446 B			1-13
A	JP 11-185737 A (NEC Mori Ene: 09 July, 1999 (09.07.99), Claims 1 to 27; examples; dra & US 6146694 A & CA			
Further documents are listed in the continuation of Box C.  See patent family annex.				
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  25 April, 2005 (25.04.05)		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family  Date of mailing of the international search report  17 May, 2005 (17.05.05)		
<u>-</u>		Authorized officer		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		

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PCT/JP2005/000895

C (Continuation)	). DOCUMENTS CONSIDERED TO BE RELEVANT	- Coopy 0000000
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-176424 A (Mitsubishi Cable Industries, Ltd.), 02 July, 1999 (02.07.99), Claims 1 to 4; examples; drawings (Family: none)	1-13
A	JP 10-12220 A (Toshiba Battery Co., Ltd.), 16 January, 1998 (16.01.98), Claims 1 to 5; examples; drawings & EP 814525 A & US 2001/12588 A1 & CA 2207801 A	1-13
A	JP 8-287953 A (Toray Industries, Inc.), 01 November, 1996 (01.11.96), Claims 1 to 8; examples; drawings (Family: none)	1-13